

Purchase Order Receipt Listing

Thursday, March 31, 2016 2:58:32 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO31749 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO31749	1		M304S14GA	sf	3/31/2016	3/31/2016	40.0000	\$5.45	0.0000	0	\$218.15
CAD	No		304SS sheet .080	sf	40.0000	LAVO01		\$218.15	0.0000	0	
			M134604								
	2		M304S11GA	sf	3/31/2016	3/31/2016	64.0000	\$5.78	0.0000	0	\$369.85
	No		304/316 0.125 Sheet	sf	64.0000	LAVO01		\$369.85	0.0000	0	
			M134604								
	3		M304S16GA	sf	3/31/2016	3/31/2016	96.0000	\$4.70	0.0000	0	\$451.20
	No		304/316 Sheet .063	sf	96.0000	LAVO01		\$451.20	0.0000	0	
			M134604								
	4		M304S18GA	sf	3/31/2016	3/31/2016	96.0000	\$2.53	0.0000	0	\$242.63
	No		304/316 .050 Sheet	sf	96.0000	LAVO01		\$242.63	0.0000	0	
			M134604								
	5		M6061T6S.063	sf	3/31/2016	3/31/2016	144.0000	\$2.19	0.0000	0	\$316.06
	No		6061-T6 .063 Sheet	sf	144.0000	LAVO01		\$316.06	0.0000	0	
			M134604								
	7		71401-45		3/31/2016	3/31/2016	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	LAVO01		\$0.00	0.0000	0	
			QUALITY								
			CLAUSES								
			M134604								

Total Received Quantity:
Total Qty to Inspect (PO U/M): 441.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$1,597.89
Total Balance Due Quantity: 0.0000

DAS
16
9:89

20160404

Inspected Cnts are mat. shipped Directly to
TPI induction for w/s cutting.
Mat. Not visually inspected.

BILL OF LADING

NO: PEC 983229

Ship From:
 THYSSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Mar16 at 10:34 From PFW
 Probill
 Via vim delivery
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 Jonathan Lessard
 148 GOODFELLOW
 cell: 514.821.7244
 bureau: 450.633.0484 ext 205
 DELSON, QC J5B 1V4
 Tel: 613-632-9577 Fax: 613-632-1053

m1360 m134604

BILL OF LADING

1) Our Order PEC-909093- 1 Your PO # 31741
 STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .0750 Nom X 48.0000" X 120.0000"

Heat Number Tag No
 YU176298 514188

Quantity PCS Wt LBS
 40.00 SFT 1 121

MTR

2) Our Order PEC-909093- 2 Your PO # 31741
 STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .1200 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 X2A3 514197

Quantity PCS Wt LBS
 64.00 SFT 2 310

MTR

3) Our Order PEC-909093- 3 Your PO # 31741
 STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .0600 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 X1X2 514208

Quantity PCS Wt LBS
 96.00 SFT 3 231

MTR

4) Our Order PEC-909093- 4 Your PO # 31741
 STAINLESS STEEL SHEET 304L-2B DUAL GRADE
 .0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 X0L3 514213

Quantity PCS Wt LBS
 96.00 SFT 3 187

MTR

5) Our Order PEC-909093- 5 Your PO # 31741
 ALUMINUM SHEET 6061 T6
 .0640 Nom X 48.0000" X 144.0000"

Heat Number Tag No
 Z1507Y6106 514187

Quantity PCS Wt LBS
 144.00 SFT 3 126

MTR

Page: 1Continued

SKID
 132
 C216/03/31
 MTR'S RECEIVED

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

[Signature]

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
 TVO/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

SHIP FROM:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

SHIP DATE 23Mar16 at 10:34 From PFW
Probill
Via vim delivery
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
Jonathan Lessard

B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	5	12	975

Heat Number
10L3
11X2
12A3
U176298
11507Y6106

*** Chemical Analysis ***

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 SKID GW. 1157 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

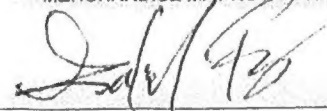
***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.



YIEH UNITED STEEL CORPORATION

No. 600, Hinglong St., Tainan City 70001, Taiwan (R.O.C.)

MILL CERTIFICATE

Customer: OLBERT METAL SALES LIMITED

Customer No.: F00017

Product: COLD ROLLLED STAINLESS STEEL SHEET IN COIL, NO. 2B FINISH

Order No.: J001401301

Certificate: B15012420

Date: JAN 12, 2015

Page: 1/1

Specification/Steel Grade: DIN EN 10028-7 1.4301/1.4307_C
Surface Finish: No. 2B

Product ID	Chemical Composition (%)										Tensile Test				Hardness Test		Bend Test
	C	Si	Mn	P	S	Ni	Cr	N	Mo	Cu	0.2% Y.S.	1% Y.S.	T.S.	EL(%)	HRB	HV	
Min.	0.030	1.00	2.00	0.045	0.015	8.00	17.50	0.100									
Max.						10.50	19.50										
3C3S452A	0.014	0.36	1.10	0.035	0.008	8.13	18.04	0.039	0.21	0.44	230 MPa	250 MPa	540 MPa	45			
3C3S452B	0.014	0.35	1.10	0.035	0.008	8.13	18.04	0.039	0.21	0.44	304 MPa	345 MPa	827 MPa	54	83	164	164
											304 MPa	345 MPa	827 MPa	54	83	164	
Product ID	Heat No.	Dimension		Edge		QTY		Weight		Remarks							
3C3S452A	Y0170208	1.90 mm	± 1219 mm	± Coil	C	1	1	10.163 KG	10.083 KG	1 Test Method: C.S.M. by DIN EN ISO 9556:2002, EN 24035:1991. 1.1 Test Analysis: C.S.M. by DIN EN ISO 9556:2002, EN 24035:1991. 1.2 Tensile Test: EN 897-1:2004. 2 MECHANICAL PROPERTIES REFER TO TENSILE TEST, HARDNESS TEST. 3 ALSO COMPLY TO EN10088-2, AISI 304/304L. ASTM A240/A480/A242E, ASME SA400/SA480							
3C3S452B	Y0170208	1.90 mm	± 1219 mm	± Coil	C	1	1	10.163 KG	10.083 KG								
									Subtotal 20.246 KG								

1. We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.
 2. The material described above has been detected with 100% irradiation.
 3. NISCO has established a QMS according to ISO 9001, which is certified by DNV CERT (reg. no. 0058-2002-AQ-ACC-ITA).
 4. Inspection and gauge measurement: Satisfactory
 5. The report can only be reproduced in full.
 6. This certificate complies to 3.1/DIN EN 10204:2005.
 7. The tests including "Tensile Test", "Intergranular Attack" (I.A. TEST) have been accredited by A2LA TESTING CERT 20058.02).

Manager of Quality Assurance Department

F. A. Huang

2016/03/31

DAS 16 9-89

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M345 14GA
DATE: 2016/03/31

PO / BATCH NO.: M134604 / P031749

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: sent to TPD
QUANTITY INSPECTED: sent to TPD
QUANTITY REJECTED: —

THICKNESS ORDERED: 0.080 / 14GA
THICKNESS RECEIVED: sent to TPD
SHEET SIZE ORDERED: 40 SF
SHEET SIZE RECEIVED: 40 SF

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	304
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	ASTM A240
CORRECT REF # TO LINK CERT	Y	N	YU176298
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

mat. sent directly to TPD.

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>16</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>2016/03/31</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Alt:



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

740 Imperial Road North

Certificate: 117938 1
Customer: 007206 001

Ship To:
THYSSENK
2821 LANK
CONCORD,

Date: 11/26/2015 Page: 1
Steel: 304/304L
Finish: 2B

Corrosion: ASTM A262/14:180 Bend-OK

Your Order: **PEC271093**

THIS ORDER: PN 0072789 07

[illegible]

PRODUCT DESCRIPTION

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED, UNS 30400/30403

ASTH A240/15A, A480/14B, A566/15; ASME SA240/13, SA480/13, SA566/13

CHEM ONLY ON FOLLOWING ASTM: A276/13, A479/13a, A484/13a, A312/13

CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13

AMS 5513H/55133 XGRK; MIL-5059D AMD3(X CHEM NENSI); MIL-4043B

NACE MR0175/ISO 15156-3:2009 A, MR0103/07; Q06765D-A X MAG FEM04

SIZE SOLUTION ANNEAL TEMP 1900F WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; NORS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mfg. Sys. in Cont. w/ISO 9001
*Met'd & Manufactured in the USA; Mat'l is DPAAs Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
02X2A3 DA	02X2A3 D		.1163	48.0000	4.970	SHEETS		32	

CHEMICAL ANALYSIS

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L23213
South Africa) IP(Isan) Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CR %	CU %	MV %	MO %	N %	NI %	P %	S %
X1A1	DB	.0270	18.2380	.3950	1.7650	.3735	.0830	8.0045	.0340	.0010
SI %										
.2375										

MECHANICAL PROPERTIES

Product Id#	Coil #	1 d o i c r	UTS KSI	20C KSI	.2% YS KSI	20C ELONG %-2"	% HB	Hard Tail
02X2A3 DA	02X2A3 D	F T	92.66	44.92	51.32	86.00	87.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items of the lot or lots identified above and do not represent all items of similar material. The written approval of NAS.

Technical
Dept. Mgr.

ABHILEET BHAVE - 11/26/2015

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S 11 GA
 DATE: 2016/03/31

PO / BATCH NO.: 2031749 /
M134604

MATERIAL CERT REC'D: YPS
 QUANTITY RECEIVED: _____
 QUANTITY INSPECTED: _____
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 0.125" / 11 GA
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	<u>(Y)</u>	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	<u>(Y)</u>	N	ASTM A240
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	X2A3
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

X Sent Directly to TPE

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____		
DATE: <u>2016/03/31</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PART NO.

PO/Rel

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Attn:



740 Imperial Road North

Certificate: 120157 1

Customer: 007206 001
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3

Date: 12/03/2015 Page: 1

Steel: 304/304L

Finish: 2B

Your Order: PEC271093

NAS Order: WN 0072789 03

Corrosion: ASTM A262/14, 18QBend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30400/30403
ASTM A240/15a, A480/14b, A666/15/ASME SA240/13, SA480/13, SA666/13
CHEM ONLY ON FOLLOWING ASTM: A276/13, A479/13a, A484/13a, A312/13
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5511H/5513J XMR; MIL-5059D AMD3 (X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2009 A, MR0103/07, Q98766D-A X MAG PENN
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; ROHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA, Mat'l is DPARS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
05X1X2 CA	05X1X2 C		.0575	48.0000	4.250	SHEETS	096.00	64	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
US	.0216	18.2925	.3910	1.7545	.5130	.0897	8.0095	.0275	.0031

SI %
.2670

MECHANICAL PROPERTIES

Product Id#	Coil #	d	UTS	20C	.2% YS	20C	ELONG	%	Hard	Tail
05X1X2 CA	05X1X2 C		97.24	49.89	47.19	87.00	85.00			Hard

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

AGB

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S16GA

PO / BATCH NO.: P031741

DATE: 2016/03/31

M134604

MATERIAL CERT REC'D: YES

THICKNESS ORDERED: 0.063" / 16GA

QUANTITY RECEIVED: _____

THICKNESS RECEIVED: _____

QUANTITY INSPECTED: _____

SHEET SIZE ORDERED: _____

QUANTITY REJECTED: _____

SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/>	N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/>	N	X1X2
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

* sent to TPI Directly.

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>16</u>	SIGNED OFF BY: _____		
DATE: <u>2016/03/31</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S 18GA
DATE: 2016/03/31

PO / BATCH NO.: P031749 /
M134604

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: _____
QUANTITY INSPECTED: _____
QUANTITY REJECTED: _____

THICKNESS ORDERED: 0.050" / 18GA
THICKNESS RECEIVED: _____
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	Y	N	
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	Y	N	ASTM A240
CORRECT REF # TO LINK CERT	Y	N	X063
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

* Sent Directly to TPI

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>16</u>	SIGNED OFF BY: _____
DATE: <u>9-89</u> <u>2016/03/31</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PART NO.

PO/Ref:

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Attn:



740 Imperial Road North

Certificate: 121787 1

Customer: 007206 001
Mail To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Skip To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 12/08/2015 Page: 1

Steel: 304/304L

Finish: 2B

WAS Order: VN 0072789 01

Corrosion: ASTM A262/14/180Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30400/30403
ASTM A240/15a, A480/14b, A666/15; ASME SA240/13, SA480/13, SA666/13
CHEM ONLY ON FOLLOWING ASTM: A276/13, A479/13a, A484/13a, A312/13
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5511H/5513J XRR; MIL-5059D AMD3 (X CRN MEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2009 A, MR0103/07:Q98766D-A X MAG FROM
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; ROHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DPAAS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
05X0L3 AA	05X0L3 A		.0460	48.0000	5.060	SHEETS	096.00	31	

CHEMICAL ANALYSIS CIM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2123
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CR %	CU %	MO %	NI %	P %	S %
05X0L3	US	.0214	18.0480	.4390	1.8095	.0812	8.0010	.0010

SI %

.2980

MECHANICAL PROPERTIES

Product Id#	Coil #	1 d	0 i	c r	UTS	20C	.2% YS	20C ELONG	% Hard	RE	Hard	Trail
05X0L3 AA	05X0L3 A	F T	99.26	53.12	48.66	98.00	87.00					

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ASB

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,
ZHENGZHOU HENAN CHINA
TEL:+86-371-67898715 FAX:86-371-67898612

MILL TEST CERTIFICATE

BUYER: OLBERT METAL SALES LIMITED
 989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,
 ONTARIO CANADA L5T 2J8

INVOICE NO.: ZOTO150901

CONTRACT NO: 2049

LOADING PORT: QINGDAO, CHINA

DESTINATION: TORONTO

SHIPPING MARKS: N/M

DATE: SEP. 2 2015

DESCRIPTION OF GOODS:

ALUMINUM SHEET 6061/T651 AND 6061/T6
 CERTIFIED TO ASTM B209-14, AMS 4027N, ANSI H35.2-2013,
 ASME SB209 and AMS-QQ-A-250/11 SPECS.

REF:2049

CIF TORONTO,CANADA

CHEMICAL COMPOSITION											
Heat No.	Alloy Temper	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
Z-1503Y6047	6061/T6	0.593	0.319	0.276	0.021	1.047	0.002	0.022	0.216	0.15	REMAINDER
Z-1507Y6106	6061/T6	0.61	0.375	0.266	0.072	1.035	0.005	0.023	0.187	0.15	REMAINDER
Z-1507Y6106	6061/T6	0.61	0.375	0.266	0.072	1.035	0.005	0.023	0.187	0.15	REMAINDER
Z-1507Y6106	6061/T6	0.61	0.375	0.266	0.072	1.035	0.005	0.023	0.187	0.15	REMAINDER
Z-1507Y6109	6061/T6	0.599	0.351	0.244	0.035	1.023	0.007	0.025	0.187	0.15	REMAINDER
Z-1507Y6109	6061/T6	0.599	0.351	0.244	0.035	1.023	0.007	0.025	0.187	0.15	REMAINDER
Z-1507Y6109	6061/T6	0.599	0.351	0.244	0.035	1.023	0.007	0.025	0.187	0.15	REMAINDER
ZB-1506Y6032	6061/T6	0.649	0.357	0.237	0.034	1.096	0.005	0.02	0.197	0.15	REMAINDER
ZB-1508Y6078	6061/T6	0.586	0.374	0.238	0.036	1.071	0.007	0.025	0.186	0.15	REMAINDER
ZB-1508Y6078	6061/T6	0.586	0.374	0.238	0.036	1.071	0.007	0.025	0.186	0.15	REMAINDER
ZB-1507Y6137	6061/T651	0.623	0.367	0.239	0.032	1.036	0.006	0.024	0.195	0.15	REMAINDER
ZB-1507Y6137	6061/T651	0.623	0.367	0.239	0.032	1.036	0.006	0.024	0.195	0.15	REMAINDER
ZB-1508Y6109	6061/T651	0.637	0.359	0.246	0.041	1.017	0.004	0.024	0.181	0.15	REMAINDER
ZB-1508Y6927	6061/T651	0.647	0.345	0.251	0.039	1.068	0.006	0.025	0.182	0.15	REMAINDER
ZB-1508Y6929	6061/T651	0.627	0.362	0.264	0.036	1.078	0.008	0.025	0.2	0.15	REMAINDER
ZB-1508Y6930	6061/T651	0.632	0.371	0.273	0.045	1.115	0.007	0.022	0.187	0.15	REMAINDER
MECHANICAL PROPERTY											
Heat No.	Alloy Temper	Specs(in)		Tensile strength (Mpa/ksi)		Yield Strength(Mpa/ksi)		Elongation %			
Z-1503Y6047	6061/T6	.063*48*144		332		48		315		46	
Z-1507Y6106	6061/T6	.063*48*96		350		51		337		49	
Z-1507Y6106	6061/T6	.063*48*120		350		51		337		49	
Z-1507Y6106	6061/T6	.063*48*144		350		51		337		49	
Z-1507Y6109	6061/T6	.125*48*96		339		49		315		46	
Z-1507Y6109	6061/T6	.125*48*120		339		49		315		46	
Z-1507Y6109	6061/T6	.125*48*144		339		49		315		46	
ZB-1506Y6032	6061/T6	.188*48*144		369		54		330		48	
ZB-1508Y6078	6061/T6	.188*48*96		332		48		302		44	
ZB-1508Y6078	6061/T6	.188*48*120		332		48		302		44	
ZB-1507Y6137	6061/T651	.250*48.5*96.5		340		49		318		46	
ZB-1507Y6137	6061/T651	.250*48.5*144.5		340		49		318		46	
ZB-1508Y6109	6061/T651	1.5*48.5*144.5		295		43		262		38	
ZB-1508Y6927	6061/T651	2.0*48.5*144.5		293		42		257		37	

ZB-1508Y6929	6061/T651	2.5 *60.5*144.5	294	43	258	37	22
ZB-1508Y6930	6061/T651	3.0 *60.5*144.5	292	42	255	37	20

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD.
郑州明泰实业有限公司

分厂

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 A0.063"
 DATE: 2016/03/31

PO / BATCH NO.: P051749 /
M134604

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: _____
 QUANTITY INSPECTED: _____
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 0.063"
 THICKNESS RECEIVED: _____
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	6061T6
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	N	AMS-QQ-A-250/11
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	2150776106
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

* mat. shipped to TPI

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>16</u>	SIGNED OFF BY: _____		
DATE: <u>2016/04/01</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31749**

Purchase Order Date 3/18/2016

PO Print Date 3/18/2016

Page Number 1 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : TPI IND. INC
148 GOODFELLOW
DELSON, QC J5B 1V4
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M304S14GA	304SS sheet .080	3/23/2016 Yes 3/23/2016		40.00 sf	\$7.38	\$295.20
	PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED SPECIFICATION: MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) ORASTMA240 OR ASME SA240						
						Line Total:	\$295.20
2	M304S11GA	304/316 0.125 Sheet	3/23/2016 Yes 3/23/2016		64.00 sf	\$7.82	\$500.48
	PURCHASE MATERIAL: AISI 304/316 SS SHEET ANNEALED SPECIFICATION: MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) ORASTMA240 OR ASME SA240						

Note:

3/18/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31749**

Purchase Order Date 3/18/2016

PO Print Date 3/18/2016

Page Number 2 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : TPI IND. INC
148 GOODFELLOW
DELSON, QC J5B 1V4
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total: \$500.48

3	M304S16GA	304/316 Sheet .063	3/23/2016	96.00		\$6.36	\$610.56
			Yes	sf			
			3/23/2016				

PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$610.56

4	M304S18GA	304/316 .050 Sheet	3/23/2016	96.00		\$3.42	\$328.32
			Yes	sf			
			3/23/2016				

PURCHASE MATERIAL: AIS1 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

C216103131

Line Total: \$328.32

Note:

3/18/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31749

Purchase Order Date 3/18/2016

PO Print Date 3/18/2016

Page Number 3 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : TPI IND. INC
148 GOODFELLOW
DELSON, QC J5B 1V4
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

5	M6061T6S.063	6061-T6 .063 Sheet	3/23/2016	144.00		\$2.97	\$427.68
			Yes	sf			
			3/23/2016				

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

CL 146/03/31

Line Total: \$427.68

6	M2024T3S.063	2024-T3 .063 sheet	3/23/2016	96.00		\$5.10	\$489.60
			Yes	sf			
			3/23/2016				

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$489.60

Note:

3/18/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO31749**

Purchase Order Date 3/18/2016

PO Print Date 3/18/2016

Page Number 4 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : TPI IND. INC
148 GOODFELLOW
DELSON, QC J5B 1V4
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

7	71401-45	PROCUREMENT QUALITY CLAUSES	3/23/2016	1.00		\$0.00	\$0.00
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Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

No
3/23/2016

Line Total: \$0.00

PO Total: \$2,651.84

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 3/18/2016